

Ventura Beaches Bacteria

Kiddie Beach, Hobie Beach, and Harbor Cove Beach

Total Maximum Daily Load

CEQA Scoping Meeting

California Environmental Quality Act

January 10, 2007

California Regional Water Quality Board, Los Angeles Region

Meeting Agenda

- Regulatory Background
- Ventura Beaches Bacteria TMDL
- Potential Implementation Alternatives
- Potential Environmental Impacts
- Discussion/Questions.

Ventura Beaches Bacteria TMDL

Kiddie and Hobie Beach



Ventura Beaches Bacteria TMDL

Ventura Harbor



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Regulatory Background

- * **California Environmental Quality Act = CEQA**
- State and Regional Boards' basin planning process has been certified by the Secretary of Resources as exempt from certain requirements of the California Environmental Quality Act (CEQA), including preparation of an initial study, negative declaration, and environmental impact report (14 CCR §15251(g)).
- [A] lead agency shall call at least one scoping meeting for [a] project of statewide, regional, or areawide significance (Public Resources Code §21083.9).

California Regional Water Quality Board, Los Angeles Region

Regulatory Background

- The “certified regulatory program” of the Regional Board, however, must satisfy substantive requirements (23 CCR §3777 (a))
 1. Written report including a description of the proposed activity
 2. Alternatives analysis
 3. Identification of mitigation measures
 4. Environmental checklist

California Regional Water Quality Board, Los Angeles Region

TMDL Components

- Adopting Resolution
- Basin Plan Amendment
 - Regulatory Authority for the TMDL
- Substitute Environmental Document
- Staff Report
 - TMDL elements

TMDL Elements

- Problem Identification
- Numeric Targets
- Source Assessment
- Linkage Analysis
- Allocations
- Margin of safety
- Critical Conditions
- Implementation
- Monitoring

Numeric Objectives

Indicator	Geometric Mean	Single Sample
Total Coliform	1000 cells/100 ml	10,000cells/100 ml
if Fecal/Total > 0.1		1000 cells/100 ml
Fecal Coliform(<i>E. coli</i>)	200 cells/100 ml	400 cells/100 ml
Enterococcus	35 cells/100 ml	104 cells/100 ml

Reference Beach Approach

Reference Beach Approach

- No geometric mean exceedances
- Some single sample exceedances
- Separate targets for wet and dry weather

Source Assessment

- Point Sources
 - MS4 discharges (storm drains)
 - Permitted discharges (NPDES & WDRs)
- Non-point Sources
 - Harbor Waters
 1. Fishing Wastes
 - Local sources
 1. Birds
 2. Feral Cats
 3. Pets
 4. Human Activity
 5. Trash (airborne)

Implementation

Administrative actions

- Enforcement of litter laws & picking up trash
- Control of feral cat population
- Dock sanitation practices
- Continued control of Illicit septic discharges into harbor waters
- Fines

Implementation

Infrastructure Improvements

- Low-flow diversions
- Sand Replacement
- Pebbled Beach
- In-situ sand sanitation
- Removal of Sheetpile groin Wall (Channel Islands Harbor)
- Removal of Sheepile groin wall with rubblemound (Channel Islands Harbor)

Implementation

Structural BMPs

- Randomized sprinklers
- Bird excluders
- Squawkers
- Enhanced circulation devices
 - Oloids
 - In-stream device
 - Pump

Implementation

Outreach & Education

- Better outreach with community
- More signs
- Public Education

Potential Environmental Impacts

- Potentially Significant Impact
- Less than Significant Impact with Mitigation Incorporated
- Less than Significant
- No Impact

Potential Environmental Impacts

1. Earth

- a. Unstable earth
- b. Soil disruptions or compaction
- c. Change in topography
- d. Modification of geologic features
- e. Wind and water erosion
- f. Modification of channels, bays etc.
- g. Geologic hazards (ex. landslides)

Potential Environmental Impacts

2. Air

- a. Air emissions, deterioration of air quality
- b. Creation of objectionable odors
- c. Alteration of air movement

Potential Environmental Impacts

3. Water Quality

- a. Changes in currents or direction of water
- b. Changes in absorption rates, drainage, or runoff
- c. Flow of flood waters
- d. Amount of surface water
- e. Alteration of surface water quality
- f. Alteration of direction or flow rate of groundwater
- g. Change in quantity or quality of groundwater
- h. Reduction in water for public supplies
- i. Water related hazards such as flooding

Potential Environmental Impacts

4. Plant Life

- a. Change in diversity or number
- b. Reduction of unique, rare or endangered
- c. Introduction of new species
- d. Reduction in agriculture

Potential Environmental Impacts

5. Animal Life

- a. Change in diversity or number of animals
- b. Reduction of unique, rare or endangered
- c. Introduction of new species
- d. Deterioration of habitat

Potential Environmental Impacts

6. Noise

- a. Increase noise levels
- b. Exposure to severe noise

Potential Environmental Impacts

7. Light and Glare

- a. Produce new light and glare

Potential Environmental Impacts

8. Land Use

- a. Alteration of land use

Potential Environmental Impacts

9. Natural Resources

- a. Increase rate of use of natural resources
- b. Depletion of nonrenewable natural resource

Potential Environmental Impacts

10. Risk of Upset

- a. Risk of explosion or release of hazardous substances

Potential Environmental Impacts

11. Population

- a. Alter location, distribution, density or growth

Potential Environmental Impacts

12. Housing

- a. Affect housing or create additional demand

Potential Environmental Impacts

13. Transportation

- a. Generation of additional movement
- b. Impact on parking, new parking
- c. Impact on transportation systems
- d. Alterations to movement of people, or goods
- e. Alterations to water, rail or air traffic
- f. Increase in traffic hazards

Potential Environmental Impacts

14. Public Service

- a. Fire protection
- b. Police protection
- c. Schools
- d. Parks or other recreation
- e. Maintenance of facilities including roads
- f. Other government services

Potential Environmental Impacts

15. Energy

- a. Use of substantial fuel or energy
- b. Increase in demand or development of new sources of energy

Potential Environmental Impacts

16. Utilities

- a. Power or natural gas
- b. Communications systems
- c. Water
- d. Sewers or septic tanks
- e. Storm water drainage
- f. Solid waste disposal

Potential Environmental Impacts

17. Human health

- a. Creation of health hazards
- b. Exposure to health hazards

Potential Environmental Impacts

18. Aesthetic

- a. Obstruction of scenic vista
- b. Creation of offensive site

Potential Environmental Impacts

19. Recreation

- a. Impact to quality or quantity of recreational opportunities

Potential Environmental Impacts

20. Archeological/Historical

- a. Alteration of significant site or structure

Potential Environmental Impacts

Mandatory findings of significance

- Potential to Degrade the environment
- Short-term to the disadvantage of long-term environmental goals
- Cumulatively considerable
- Substantial Adverse effects on human beings

Proposed CEQA Determination

- The proposed Basin Plan amendment could have a significant adverse effect on the environment. However, there are feasible alternatives and/or feasible mitigation measures that would substantially lessen any significant adverse impact. The overall improvements to water quality will outweigh any potential adverse environmental impacts

Implementation

Proposed Schedule (Jan 10, 2007)

- No increase of exceedance days (interim allocation)
- Monitoring plan
- Channel Islands Harbor Beaches
 1. First two years
 - Completion of special studies (if necessary)
 - Completion of pilot projects (if necessary)
 2. Third year
 - Evaluation and Reassessment
 3. Fourth year
 - Full compliance with TMDL

Implementation

Proposed Schedule (Jan 10, 2007)

- Harbor Cove Beach
 1. First three years
 - Completion of special studies (if necessary)
 - Completion of pilot projects (if necessary)
 2. Next two years
 - Evaluation and Reassessment
 - More studies or pilot projects (if necessary)
 3. Sixth year
 - Full compliance with TMDL

Questions

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